Flight-Testing Newton's Laws			
2006 Mathematics			
Grade Level Expectations			
Delaware Mathematics			
Grade 9 (Grade 9)			
Activity/Lesson	**State**	**Standards**	
Session-10 (1-5)	DE	MA.9.2.1.2	Understand and compare the graphs, tables, and equations within linear contexts that are direct variations (proportional) and those that are not
Session-10 (1-5)	DE	MA.9.2.1.3	Describe the effect of parameter changes on linear and exponential functions within a context, table, graph, and equation
Session-10 (1-5)	DE	MA.9.2.1.4	Compare linear with exponential functions using the context, table, graph, or equation
Session-10 (1-5)	DE	MA.9.2.2.6	Analyze the interrelationship among the table, graph and equation of both linear and exponential functions paying particular attention to the meaning of intercept and slope in the context of the problem

Flight-Testing Newton's Laws			
2006 Mathematics			
Grade Level Expectations			
Delaware Mathematics			
Grade 10 (Grade 10)			
Activity/Lesson	**State**	**Standards**	
Session-10 (1-5)	DE	MA.10.2.1.3	Compare linear with exponential and quadratic functions using the context, table, graph, or equation
Session-10 (1-5)	DE	MA.10.3.3.2	Determine the impact of measurement and rounding error on subsequent computations
Session-2 (1-10)	DE	MA.10.2.1.3	Compare linear with exponential and quadratic functions using the context, table, graph, or equation

Flight-Testing Newton's Laws			
2006 Mathematics			
Grade Level Expectations			
Delaware Mathematics			
Grade 11 (Grade 11)			
Activity/Lesson	**State**	**Standards**	
Session-2 (1-10)	DE	MA.11.2.3.6	Use expressions or equations to describe arithmetic and geometric sequences (nth term) and series (using sigma notation) to represent the sum
Session-6 (1-8)	DE	MA.11.2.1.2	Describe how a change in one variable affects other variables in a multivariable situation

Flight-Testing Newton's Laws			
2006 Mathematics			
Grade Level Expectations			

Delaware Mathematics			
Grade 12			
Activity/Lesson	State	Standards	
Session-10 (1-5)	DE	MA.12.2.1.1	Apply and use an understanding of rates of change to solve real world problems involving applications of finance such as but not limited to, savings, compound interest, continuous interest, depreciation, loans, credit cards, mortgages, reading amortization tables, home buying, etc.
Session-10 (1-5)	DE	MA.12.2.3.2	Solve everyday problems that can be modeled using polynomial rational, exponential, logarithmic, and/or step functions, absolute value and square roots
Session-10 (1-5)	DE	MA.12.3.3.2	Use appropriate units to measure a given quantity